

~~BGM Search Launcher: hgscchem.tmc.edu/SearchLauncher/~~

COILS (35) web server: ch.embnet.org/software/COILS_form.html;
and the following ftp site:

~~mac-search-launcher: doj.bcm.tmc.edu/pub/software/search-launcher/~~

CJ Conchillo
Amendments to the specification are indicated in the attached "Marked Up Version of Amendments" (page i-iii).

In the Claims

Please cancel Claims 5, 13-22 and 24-39.

Please amend Claims 1, 2, 6, 7, 8 and 23. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages iii-iv).

- Sub F1 CS*
1. (Amended) An isolated nucleic acid molecule comprising a nucleotide sequence of SEQ ID NO: 7 or the complement of SEQ ID NO: 7.
 2. (Amended) An isolated nucleic acid molecule comprising an exon from a vertebrate gene wherein said exon is at least 12,793 base pairs in length.
 6. (Amended) An isolated polynucleotide fragment of SEQ ID NO: 7 comprising nucleotide positions 6593 and 6594 of SEQ ID NO: 7, wherein the fragment is at least 15 nucleotides in length.
 7. (Amended) A nucleic acid molecule comprising a nucleotide sequence comprising at least 60% sequence identity to SEQ ID NO: 7 or the complement of SEQ ID NO: 7.
 8. (Amended) A nucleic acid molecule that hybridizes under high stringency conditions to a nucleotide sequence comprising nucleotide positions 6593 and 6594 of SEQ ID NO: 7 and at least ten flanking nucleotides of SEQ ID NO: 7.